

COMPOSITE TUBULAR PROSTHESES

ABSTRACT OF THE DISCLOSURE:

A tubular implantable prosthesis is formed of porous expanded
polytetrafluoroethylene. The tubular prosthesis includes a substantially continuous
5 ePTFE tubular first body and perimetrically non-continuous second tubular body. A
circumferentially deformable support structure is interposed between the inner and
outer tubular bodies. The second tubular body is formed of a plurality of elongate
PTFE strips. The strips are secured to the first body and arranged longitudinally in a
non-overlapping relationship. The prosthesis provides for both axial and radial
10 compliance.